
APPENDIX A
Weekly Construction Progress Reports

UPDATE # 1

Dwayne sent out to EPA
and SAMND.

**MUSCOY OPERABLE UNIT REMEDIAL DESIGN
19th STREET PLANT TRANSMISSION PIPELINE
AUGUST 19, 2002 TO AUGUST 23, 2002 WEEKLY UPDATE**

- EL-CO Contractors cut the existing asphalt pavement for pipe trench on N. Home Ave, W. Perris Street, and then heading north on W. 14th Street, approx. 500 feet. Contractor cut pavement by grinding the asphalt in place then leaving the grindings as a temporary road surface. The grindings were wheel rolled in place by a rubber tire loader.
- From EW NO. 109 EL-CO Contractors starting laying 16 inch D.I.P. west on N. Home Ave.
- EL-CO Contractors installed the 12 and 24 inch, valves and piping assembly at the intersection of W. Home Ave. and W. Perris Street.
- EL-CO Contractors started to install the 24 inch D.I.P. and 12 inch PVC pipelines north on W. Perris Street to station No. 110+60 approx.
- EL-CO Contractors placed temporary asphalt (cold mix) pavement on the pipe trench surface, where pipeline had been installed.
- EL-CO Contractors placing out the traffic signs in the morning before the job starts each day and picking up the signs at the very end of the day after work stops. No problems with traffic flow.
- EL-CO Contractors on Friday needed to be reminded that all sidewalks are to be clear for foot traffic at all times. Contractor was trying to layout pipe joints on the sidewalks before pipe was place in trench.
- EL-CO Contractors using a water truck and a street sweeper at the end of each day to clean streets before opening the street back up for traffic.
- EL-CO Contractors has set up two pipe material yards with chain link fence and locked gates. The first yard is located the north west corner of I Street and N. Home Ave. The second yard is located at the southwest corner of W. 14th Street and Mt. Vernon Ave.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 014-RDRD-09J5
Project Location: San Bernardino, C.,
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 002
Date: 8/30/02
Time From: 8/26/02 – 8/30/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 1160 feet of 24-inch DIP and 12-inch PVC pipe (approximately from station 110+60 to station 101+00).
- ☐ Performed field directed rerouting of the piping at the intersection of W. 14th St. and N. Massachusetts Ave. due to the discovery of an unmarked subsurface manhole. The pipelines were rerouted to the north side of W. 14th St.

Forecasted Work for Next Week:

- ☐ El-Co Contractors will continue to install the 24-inch DIP and 12-inch PVC piping along W. 14th St., and the DIP pipe will increase to 30-inch at the intersection of N. Garner Ave.
- ☐ The pipelines will be rerouted at the W. 14th St./N. Garner Ave. intersection to return to the south side of W. 14th as originally designed.
- ☐ The City inspector has approved working 10-hour days next week to make up for the time lost due to the Labor Day holiday.

Health and Safety:

- ☐ El-Co Contractors continues to utilize safe work practices during fieldwork. Tailgate safety meetings took place at least twice this week to discuss mitigation of potential hazards during the work.

Community Relations:

- ☐ To date interactions with residents in the neighborhood have been positive. Door hangers were placed at the homes along W. 14th St. on 8/29 to keep residents informed of upcoming work.
- ☐ Russell Smith was informed on 8/29 of the Sandy's market owner closing his store from noon to 5 PM while the pipeline work passed by. Russell came to the site, inspected and recommended the continuation of work as planned.

Conditions Encountered and Resolution:

- ☐ Discovered an unmarked manhole in the projected pipeline pathway at the W. 14th St./N. Garner Ave. intersection. El-Co Contractors and URS worked with the SBMWD to determine the appropriate rerouting of the pipelines once it was discovered that the manhole was active. Pipelines were rerouted to the north side of W. 14th St.

Delays Encountered:

- ☐ The subsurface manhole issue caused ½ day of delay while discovery and resolution activities occurred, and a full day delay for installing the reroute to the north side of the street.

Other Important Situations and Decisions:

- ☐ Discussion are continuing between SBMWD and URS regarding the need for an additional air vacuum valve due to an elevation change in the pipeline installed along W. Home Ave.



20 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 014-RDRD-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 003
Date: 9/6/02
Time From: 9/3/02 – 9/6/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 580 feet of 24-inch DIP, 130 feet of 30-inch DIP and 710 feet of 12-inch PVC pipe (approximately from station 101+00 to station 93+90).
- ☐ Performed rerouting of the piping back to the south side of W. 14th St. at the intersection of W. 14th St. and N. Garner Ave. to return to the design location of the pipeline.

Forecasted Work for Next Week:

- ☐ El-Co Contractors will continue to install the 30-inch DIP and 12-inch PVC piping along W. 14th St
- ☐ The pipelines will be crossing N. Mount Vernon Ave. mid to late week. This is a 2-day crossing of this busy intersection.

Health and Safety:

- ☐ El-Co Contractors continues to utilize safe work practices during fieldwork. Tailgate safety meetings took place once this week to discuss mitigation of potential hazards during the work. These meetings will take place every 10 days due the continuity of the field crews, unless new issues arise which need additional meetings.

Community Relations:

- ☐ Russell Smith visited the work site on 9/4, inspected the area and requested additional cleanup at N. Massachusetts Ave. He also requested additional cleanup on W. Home Ave. at the request of one homeowner.
- ☐ Russell Smith was asked to perform a follow-up visit to the owner of the Sandy's Market and he found that the owner is happy.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ A full day delay for installing the reroute of the pipelines back to the south side of W. 14th St..

Other Important Situations and Decisions:

- ☐ Discussion are continuing between SBMWD and URS regarding the need for an additional air vacuum valve due to an elevation change in the pipeline installed along W. Home Ave.
- ☐ Discussion on-site with the fill-in Public Works inspector regarding pipe placement activities.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 004
Date: 9/13/02
Time From: 9/9/02 – 9/13/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 717 feet of 30-inch DIP and 12-inch PVC pipe (approximately from station 93+90 to station 86+73).
- ☐ Total length of pipeline that has been installed to date: 2909 feet.
- ☐ Completed the crossing of N. Mount Vernon Ave. by 4 PM Friday 9/13.

Forecasted Work for Next Week:

- ☐ El-Co Contractors will continue to install the 30-inch DIP and 12-inch PVC piping along W. 14th St.
- ☐ Planning to reach the intersection of N. Blackstone Ave. by the end of the week.

Health and Safety:

- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 9/11, inspected the area and said that he has had no complaints from the residents in the area.
- ☐ Door Hangers were placed along the complete length of W. 14th St. on 9/11.

Conditions Encountered and Resolution:

- ☐ Unforeseen concrete encased utility duct bank (Edison and Verizon) was encountered in the pipeline path along the east side of N. Mt. Vernon Ave., the pipeline was routed below the duct bank and work continued.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ Discussion are continuing between SBMWD and URS regarding the need for an additional air vacuum valve due to an elevation change in the pipeline installed along W. Home Ave.
- ☐ NPDES Permit was received by El-Co on 9/13, a copy will be sent to URS for review and confirmation that the permit is complete and is valid for both discharge locations along the pipeline route.



20 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 005
Date: 9/20/02
Time From: 9/16/02 – 9/20/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 1173 feet of 30-inch DIP and 12-inch PVC pipe (approximately from station 86+73 to station 75+00).
- ☐ Total length of pipeline that has been installed to date: 4082 feet.
- ☐ Turned the corner onto N. Blackstone Ave. on Friday afternoon

Forecasted Work for Next Week:

- ☐ El-Co Contractors will continue to install the 30-inch DIP and 12-inch PVC piping along N. Blackstone Ave. and W. Virginia St.
- ☐ Planning to be approximately 2/3 down the length of W. Virginia St. by the end of the week.

Health and Safety:

- ☐ El-Co Contractors held a tail gate safety meeting on 9/18 to reinforce safe work practices and community relations awareness.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 - 95 Db; b.) Adjacent House: 70 - 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 9/19, inspected the area and said that he has had no complaints from the residents in the area. Russell mentioned that the residents along W. Virginia St. will be very interested in the progress of our project.
- ☐ Door Hangers were placed along the remainder of Schedule 1 (N. Blackstone Ave., W. Virginia St., and N. Pico Ave.)

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ Discussion are continuing between SBMWD and URS regarding the need for an additional air vacuum valve due to an elevation change in the pipeline installed along W. Home Ave. The URS design engineer is reviewing the as-built drawings.
- ☐ NPDES Permit was received by El-Co on 9/13, a copy was sent to URS for review and confirmation that the permit is complete and is valid for both discharge locations along the pipeline route.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 006
Date: 9/27/02
Time From: 9/23/02 – 9/27/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 914 feet of 30-inch DIP and 12-inch PVC pipe (approximately from station 75+00 to station 65+86).
- ☐ Total length of pipeline that has been installed to date: 4996 feet.
- ☐ Reached approximately 2/3 down the length of W. Virginia St. by the end of the day Friday.

Forecasted Work for Next Week:

- ☐ El-Co Contractors will complete the installation of the 30-inch DIP and 12-inch PVC piping along W. Virginia St., and will perform the tie-in at the existing pipeline.
- ☐ El-Co will also complete the installation of 16-inch DIP on N. Garner Ave. to well site 110.

Health and Safety:

- ☐ El-Co Contractors held a company safety meeting on 9/26 in compliance with his standard safe work practices program.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 - 95 Db; b.) Adjacent House: 70 - 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 9/26, inspected the area and said that he has had two minor complaints from the residents on W. Virginia St. regarding oil stains and sidewalk grass. The oil stains have been removed from the two driveways using a steam cleaner and sod will be placed in the impaired areas.
- ☐ At the direction of SBMWD and Russell Smith one abandoned vehicle was removed on 9/24 from the roadway on W. Virginia St.
- ☐ All excavation equipment was removed from the road on Friday afternoon and placed in designated storage areas for the weekend.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ Discussion are continuing between SBMWD and URS regarding the need for an additional air vacuum valve due to an elevation change in the pipeline installed along W. Home Ave. The URS design engineer is reviewing the as-built drawings.



20 Venture Oaks Way, Suite 250
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Project Location: San Bernardino, CA
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MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 007
Date: 10/4/02
Time From: 9/30/02 – 10/4/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 405 feet of 30-inch DIP and 12-inch PVC pipe (approximately from station 65+86 to station 61+81).
- ☐ Total length of pipeline that has been installed to date: 5401 feet.
- ☐ Pipeline was completed the full length of W. Virginia St. by the end of the day Friday. The tie-in at the existing pipeline will occur after testing and chlorination of the new pipeline.

Forecasted Work for Next Week:

- ☐ El-Co Contractors will complete the 12-inch storm drain connection at Mt. Vernon Ave.
- ☐ El-Co will also complete the installation of 16-inch DIP on N. Garner Ave. to well site 110.
- ☐ Testing and chlorination of the Schedule I pipelines will be performed beginning on Tuesday, and should be completed by the end of the week.
- ☐ Permanent trench paving will begin on W. Virginia St. by mid-week.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 10/2 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 9/30, 10/1, 10/2 and 10/3, inspected the work area, and discussed the project with the local residents on W. Virginia St.
- ☐ All excavation equipment was removed from the road on Friday afternoon and placed in designated storage areas for the weekend.

Conditions Encountered and Resolution:

- ☐ Discovered that several sewer laterals were not operating properly and called the City Sewer Department to alert them of this issue. The sewer department came to the site and cleaned out the main line.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ Discussed the requested change in the starting location for Schedule 2 work with El-Co to see if there would be any cost impact to the project for beginning the work at 13th and G St. before moving to 19th St. El-Co had been preparing for the 19th St. start location and had ordered the 30-inch diameter DIP for that area. They are discussing a revision in pipe delivery with their supplier and will have more information to me prior to the Monday call.



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Sacramento, CA 95833

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WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 008
Date: 10/11/02
Time From: 10/7/02 – 10/11/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed the 12-inch DIP pipe for the storm drain connection at Mt. Vernon Ave (approximately 50 feet).
- ☐ El-Co completed the installation of 16-inch DIP on N. Garner Ave. to well site 110 (approximately 400 feet).
- ☐ Total length of pipeline that has been installed to date: 5851 feet.
- ☐ The water loading and successful pressure testing of the 12-inch PVC pipeline was completed on 10/10/02.
- ☐ The DIP pipeline is water loaded and will be pressure tested early next week.
- ☐ Permanent trench paving was started on W. Virginia St. on 10/11/02 and 300 feet was installed by end of the day.

Forecasted Work for Next Week:

- ☐ The pressure testing of the DIP pipelines will be completed by mid-week.
- ☐ The flushing and chlorination of all pipelines will be completed by the end of the week.
- ☐ The permanent trench paving will continue along W. Virginia St., N. Blackstone Ave., and W. 14th St.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 10/11 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 10/10 inspected the work area, and discussed the project with the local residents on W. Virginia St., including one resident complaining of a non-operating sewer lateral (1525 W. Virginia St.). El-Co re-excavated the sewer lateral, inspected the installation and found everything to be operational. Russell Smith continued discussions with the resident.
- ☐ All excavation equipment was removed from the road on Friday afternoon and placed in designated storage areas for the weekend.

Conditions Encountered and Resolution:

- ☐ The Public Works Department (Bob Nagy) informed URS and El-Co on 10/8/02 that the City will not allow any work in the business district between Thanksgiving and New Years. James Dye and Dwayne Deutscher were informed of this statement and are researching its validity.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ Discussions regarding the change in location for the Schedule 2 portion of the work are still ongoing and a final decision is delayed pending the outcome of the recent Public Works Department comment.



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Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
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Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 009
Date: 10/18/02
Time From: 10/14/02 – 10/18/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co completed the successful pressure testing of the DIP pipelines on Friday afternoon.
- ☐ El-Co completed permanent trench paving on W. Virginia St., and N. Blackstone Ave., and installed permanent trench paving on W. 14th St. to the east side of Mt. Vernon Ave.

Forecasted Work for Next Week:

- ☐ The permanent trench paving will continue along W. 14th St. in an eastward direction, W. 14th St. paving should be completed by the end of the week.
- ☐ The flushing and chlorination of all pipelines has been delayed until the week of 10/28 so that all paving work can be completed prior to chlorination.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 10/15 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Asphalt Paving Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith had the week off and made no visits to the project site.
- ☐ All asphalt paving equipment was removed from the road on Friday afternoon and placed in designated storage areas for the weekend.

Conditions Encountered and Resolution:

- ☐ The Public Works Department (Bob Nagy) informed El-Co on 10/14 that El-Co needed to request inspections from the city the day before they plan to work in the city street, and failure to do so would result in the city shutting the job down. This means that El-Co must now call the city every day to inform them that they will be working in the street the next day.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ Discussions regarding the change in the starting location for the Schedule 2 portion of the work are still ongoing and a final decision is delayed pending the outcome of the recent Public Works Department comment regarding the city not allowing work in the business district between Thanksgiving and New Years.
- ☐ The Public Works Department (Bob Nagy) informed URS on 10/16 that the Park project on 19th and Pennsylvania has been awarded to a contractor and construction is to start in mid-November.



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Sacramento, CA 95833

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WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 010
Date: 10/25/02
Time From: 10/21/02 – 10/25/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co completed permanent trench paving on all trenches in the Schedule 1 work area.

Forecasted Work for Next Week:

- ☐ The flushing and chlorination of all pipelines will occur the week of 10/28.
 - o The discharge location for these activities will be the storm drain on the corner of Mt. Vernon Ave. and W. 14th St., with the flow discharging to Lytle Creek. Samples will be collected at both the storm drain and the Lytle Creek outfall.
 - o The decontamination method will be a sodium thiosulfate solution that will be injected into the pipelines using a chemical metering pump.
- ☐ Punch list inspections and final cleanup activities will occur the week of 10/28 in the Schedule 1 work areas.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 10/21 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 60-65 Decibels (Db)
 - o Asphalt Paving Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith had the week off and made no visits to the project site.
- ☐ All asphalt paving equipment was removed from the road on Friday afternoon.
- ☐ El-Co damaged a residential natural gas service pipeline on the afternoon of 10/21 during asphalt paving operations. The repair to the line was made on 10/22 by the gas company.
- ☐ No other contact with the community/residents.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ El-Co has been informed that they are to begin Schedule 2 work at 19th and Pennsylvania, and continue completing the work on the west side of the freeway. They are aware of the target date of January 6 for having the work on the east side of the freeway in the area of H St. completed to allow for the Water District's pump test. El-Co is currently preparing their work schedule for Schedule 2 with these goals in mind. After receipt of their schedule a decision can be made regarding earlier mobilization to the east side to prepare for the pump test.



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WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 011
Date: 11/1/02
Time From: 10/28/02 – 11/1/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co completed the flushing of all Schedule 1 pipelines. All chlorination and discharge activities have been completed.
- ☐ Concrete for sidewalks and gutters was poured and is complete.
- ☐ Final clean-up and punch list items are being worked on daily.

Forecasted Work for Next Week:

- ☐ Bacteria samples will be collected on Monday. Analytical results are expected by the end of the week.
- ☐ Final clean-up and punch list items will continue to be worked on.
- ☐ Planning on making the tie-in to the existing pipeline at W. Virginia St. at the end of the week.
- ☐ Begin to mobilize pipeline materials to W. Magnolia Ave. and N. Pennsylvania Ave. for the start of Schedule 2 work.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 10/29 to enforce safe work practices and community relations.

Community Relations:

- ☐ Russell Smith had the week off and made no visits to the project site. Nick will contact Russell this week to discuss the Schedule 2 work plan.
- ☐ Door hangers will be placed at the residents on W. Magnolia Ave. and N. Pennsylvania Ave. for the start of Schedule 2 work.
- ☐ No contact with the community/residents.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ El-Co has prepared the work schedule for the Schedule 2 work. This will be distributed to all for review and discussion. Field work is to begin on Monday 11/11/02.



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Project Location: San Bernardino, CA
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MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 012
Date: 11/8/02
Time From: 11/4/02 – 11/8/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co collected the bacteria samples on Monday 11/4, and received the verbal results by midweek. The Water Department was informed of the sample results and hard copy analytical reports will be received within 10 days.
- ☐ The tie-in to the existing pipeline at W. Virginia St. was completed by the end of the week.
- ☐ Final clean-up and punch list items were worked on daily on Schedule 1.
- ☐ Mobilization, surveying and material delivery began to occur for Schedule 2 work in preparation for an excavation start on 11/12.

Forecasted Work for Next Week:

- ☐ Begin excavation and placement of 30-inch DIP pipeline beginning at W. Magnolia Ave. and N. Pennsylvania Ave. on Tuesday 11/12 and will continue pipeline in the northerly direction.
- ☐ Final clean-up and punch list items will continue to be worked on in the Schedule 1 areas and will be completed this week.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 11/8 to discuss the Schedule 2 work and to enforce safe work practices and community relations.

Community Relations:

- ☐ Nick met with Russell on 11/6 to discuss the Schedule 2 work plan.
- ☐ Door hangers were placed on 11/5 at the residents on W. Magnolia Ave., N. Pennsylvania Ave., W. 16th St. and 19th St. for the start of Schedule 2 work.
- ☐ No other contact with the community/residents.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ El-Co discussed the starting of Schedule 2 work at W. Magnolia Ave. with the Public Works Department after El-Co had talked with the City's contractor that will be working on the park at 19th St. It was determined that El-Co would be able to be completed with the work on 19th St. before the City's contractor will start on the work at the park. The Public Works Department had no problem with El-Co beginning work at W. Magnolia Ave., and there is no need to revise the work schedule that El-Co previously prepared for the Schedule 2 work. This schedule will be sent out to all for review and comment this week.



20 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 013
Date: 11/15/02
Time From: 11/11/02 – 11/15/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 432 feet of 30-inch DIP pipe (approximately from station 40+10 to station 35+78).
- ☐ Total length of pipeline that has been installed to date on Schedule 2: 432 feet.
- ☐ Pre-work video taping survey was performed on the section of work along W. Magnolia Ave., N. Pennsylvania Ave., W. 16th St. and 19th St.
- ☐ Mobilization activities continued on Monday 11/11, excavation and pipeline activities began Tuesday 11/12.
- ☐ Final clean-up and punch list activities for Schedule 1 work was completed this week.

Forecasted Work for Next Week:

- ☐ El-Co will continue to install the 30-inch DIP along N. Pennsylvania Ave., hoping to reach the intersection of w. 16th St. by the end of the week.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 11/15 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 50-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 11/12 inspected the Schedule 2 work area, and discussed the clogged sewer lateral issue with the resident on W. Virginia St (final follow-up discussion).
- ☐ All excavation equipment was removed from the road on Friday afternoon and placed in designated storage areas for the weekend.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ None to report.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 17324910.01000

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 014
Date: 11/22/02
Time From: 11/18/02 – 11/22/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 1108 feet of 30-inch DIP pipe (approximately from station 35+78 to station 25+96 in the southern section; and approximately from station 12+17 to 13+43 in the northern section).
- ☐ Total length of pipeline that has been installed to date on Schedule 2: 1540 feet.
- ☐ Mobilized on Friday to the intersection of 19th St. and N. Pennsylvania Ave. and began installing the pipeline from the north towards the south in an effort to comply with the City Public Works Department's request to complete the work in the area of the 19th St. Park. Installed approximately 125 feet of pipeline in this area by close of the day Friday.

Forecasted Work for Next Week:

- ☐ El-Co will continue to install the 30-inch DIP along N. Pennsylvania Ave. and heading in a southerly direction.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 11/22 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 50-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith visited the work site on 11/18 and inspected the Schedule 2 work area.
- ☐ All excavation equipment was removed from the road on Friday afternoon and placed in designated storage areas for the weekend.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ El-Co mobilized their equipment from the intersection of N. Pennsylvania Ave. and W. 16th St. to the intersection of 19th St. N. Pennsylvania Ave. on Friday to accommodate the Public Works Department's request for El-Co to complete the pipeline installation in the area of the 19th St. Park before the city's contractor mobilized to begin their work on the park. El-Co completed the pipeline in this area by end of the day Friday.



0 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.09011

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 015
Date: 11/29/02
Time From: 11/25/02 – 11/29/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 210 feet of 30-inch DIP pipe (approximately from station 12+17 to 10+07 in the northern section on 19th St.).
- ☐ Total length of pipeline that has been installed to date on Schedule 2: 1750 feet.
- ☐ El-Co completed the work along 19th St. during this short workweek rather than continuing along N. Pennsylvania Ave. to the south. No work was performed on Thursday (11/28) and Friday (11/29).

Forecasted Work for Next Week:

- ☐ El-Co will continue to install the 30-inch DIP along N. Pennsylvania Ave. and heading in a southerly direction.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 11/25 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 50-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ All excavation equipment was removed from the road on Wednesday afternoon (11/25) and placed in designated storage areas for the holiday weekend.
- ☐ No complaints have been received from the general public.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ None to report.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.09011

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 016
Date: 12/6/02
Time From: 12/2/02 – 12/6/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 1187 feet of 30-inch DIP pipe (approximately from station 13+43 to 25+30 in the northern section on N. Pennsylvania Ave.).
- ☐ Total length of pipeline that has been installed to date on Schedule 2: 2937 feet.

Forecasted Work for Next Week:

- ☐ El-Co will complete the installation of the 30-inch DIP along N. Pennsylvania Ave. and will connect to the pipeline at W. 16th St.
- ☐ El-Co will also install the air vacuum piping at W. 16th St., W. Magnolia Ave., and 19th St., and will construct the revised storm drain tie-in connection at the intersection of W. 16th St. and N. Pennsylvania Ave.

Health and Safety:

- ☐ El-Co Contractors held a tailgate safety meeting on 12/6 to enforce safe work practices and community relations.
- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 50-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ Russell Smith visited the project site on 12/5 and discussed the project with local residents that were passing by the project site. No issues to report.
- ☐ All excavation equipment was removed from the road on Friday afternoon (12/6) and placed in designated storage areas for the holiday weekend.
- ☐ No complaints have been received from the general public.

Conditions Encountered and Resolution:

- ☐ During the installation of 30-inch DIP approximately from station 13+50 to 25+50 there existed sewer lateral pipelines that were buried deeper than design plans anticipated. This caused El-Co to place the 30-inch DIP one foot deeper in this area to complete the pipeline.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ The City's contractor began working at the park project on N. Pennsylvania Ave/19th St. on Thursday (12/5).



20 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.09011

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 017
Date: 12/13/02
Time From: 12/9/02 – 12/13/02

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ El-Co Contractors installed 76 feet of 30-inch DIP pipe (approximately from station 25+30 to 26+06 in the northern section on N. Pennsylvania Ave.), and connected to the pipeline at W. 16th St.
- ☐ Total length of pipeline that has been installed to date on Schedule 2: 3013 feet.
- ☐ El-Co completed the air vacuum piping at W. 16th St., W. Magnolia Ave., and 19th St., and constructed the revised storm drain tie-in connection at the intersection of W. 16th St. and N. Pennsylvania Ave.

Forecasted Work for Next Week:

- ☐ Complete the punch list items on the new storm drain connection at the intersection of W. 16th St. and N. Pennsylvania Ave.
- ☐ Perform the pressure test on the newly installed 30-inch DIP pipeline.
- ☐ Chlorinate the newly installed 30-inch DIP pipeline.
- ☐ Begin the permanent asphalt trench paving.

Health and Safety:

- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 50-65 Decibels (Db)
 - o Asphalt Grinding Operations: a.) Beside Trench: 85 - 100 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
 - o Excavation/Backfill Operations: a.) Beside Trench: 85 – 95 Db; b.) Adjacent House: 70 – 85 Db

Community Relations:

- ☐ All excavation equipment was removed from the road on Friday afternoon (12/13) and placed in designated storage areas for the holiday weekend.
- ☐ No complaints have been received from the general public.

Conditions Encountered and Resolution:

- ☐ The designed 3-foot x 3-foot concrete vault to be located near the storm drain tie-in on H St. will need to be changed to a 5-foot x 5-foot size to accommodate the piping and personnel access for installation of the piping and spool piece. The specifications from the previously revised storm drain connection at the intersection of W. 16th St. and N. Pennsylvania Ave. will be used for this similar application.

Delays Encountered:

- ☐ None to report.

Other Important Situations and Decisions:

- ☐ The construction coordination meeting was held on Thursday (12/12) with James Dye/SBMWD, Matt Dwyer/URS, Nick Reylek/URS, John Wiles/El-Co and Corey Evans/El-Co present. The tie-in to the SBMWD piping from well #108 was discussed and El-Co agreed to connect to a SBMWD supplied sleeve in the driveway to the well site to complete the pipe run to the well. Also discussed the installation of a 16-inch butterfly valve to the south of the TEE that will connect to the storm drain on H St. The line item pricing in the contract with El-Co will be used for the valve installation. A larger concrete vault will be needed to accommodate the piping, spool piece and installation/connection access. El-Co will supply the costs for this change in vault size from a 3-foot x 3-foot to a 5-foot x 5-foot vault.



2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.09011

MUSCOY PIPELINE WEEKLY CONSTRUCTION PROGRESS REPORT

Report No.: 018
Date: 1/3/03
Time From: 12/16/02 – 1/3/03

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Work Performed:

- ☐ Week Ending 12/20: El-Co completed the punch list items on the new storm drain connection at the intersection of W. 16th St. and N. Pennsylvania Ave.; completed the successful pressure testing and the chlorination of the newly installed 30-inch DIP pipeline; completed approximately 1030 linear feet of asphalt trench paving. The Water District collected bacteria testing samples from the pipeline.
- ☐ Week Ending 12/27: El-Co completed approximately 1660 linear feet of asphalt trench paving.
- ☐ Week Ending 1/3: El-Co completed the remainder of the asphalt trench paving (215 linear feet) on W. Magnolia Ave., N. Pennsylvania Ave., W. 16th St., and 19th St.; completed the tie-in of the 30-inch DIP at the intersection of W. Magnolia Ave. and N. Pennsylvania Ave.; began to survey the pipeline locations on the east side of Interstate 215.

Forecasted Work for Next Week:

- ☐ El-Co will mobilize heavy equipment to H St.
- ☐ 16-inch DIP pipe will begin to be delivered to the work area on 1/9.
- ☐ El-Co will begin pre-digging and pot holing operations for the pipeline installation.
- ☐ El-Co will be complete the concrete flatwork on the cross gutters and sidewalk on N. Pennsylvania Ave.

Health and Safety:

- ☐ Noise Monitoring Reading Summary:
 - o Ambient: 50-65 Decibels (Db)
 - o Asphalt Paving Operations: a.) Beside Trench: 85 - 95 Db; b.) Adjacent House: 70 - 85 Db; and c.) 2 Houses Away: 65-75 Db
- ☐ El-Co conducted tailgate safety meetings on 12/17 and 1/3 to discuss safe work practices.

Community Relations:

- ☐ Nick Reylek contacted Russell Smith on 1/3 to inform him that work will be starting on H St.; and door hangers were placed on the homes along H St.
- ☐ All paving equipment was removed from the road on Friday afternoons and prior to holidays and was placed in designated storage areas for the weekend and/or holiday period.
- ☐ No complaints have been received from the general public.

Conditions Encountered and Resolution:

- ☐ None to report.

Delays Encountered:

- ☐ Two days of rain (12/17 and 12/20) caused the local asphalt plants to close, so paving was not performed on those days.

Other Important Situations and Decisions:

- ☐ None to report.